| Notice of Allowability | Application No. | Applicant(s) | 0 |
|--|---|----------------------------------|------------------|
| | Examiner | Art Unit | |
| | Kaj Olsen | 1753 | |
| laims being allowable, PROSECUTION ON THE MER with (or previously mailed), a Notice of Allowance (PT ICE OF ALLOWABILITY IS NOT A GRANT OF PAT e Office or upon petition by the applicant. See 37 CF. | OL-85) or other appropriate comm "ENT RIGHTS. This application is: R 1,313 and MPEP 1308, | unication will be mailed in due | course THIS |
| This communication is responsive to the amendme. The allowed claim(s) is/are 23-42. | rit and disclamer of 12-8-2003 | | |
| The drawings filed on 28 December 2001 are accept | pled by the Examiner. | | |
| Acknowledgment is made of a claim for foreign pr a) ☐ All b) ☐ Some* c) ☐ None of the: | | or (f). | |
| Certified copies of the priority document | | | |
| Certified copies of the priority document | its have been received in Application | on No | |
| Copies of the certified copies of the price | | d in this national stage applica | ation from the |
| International Bureau (PCT Rule 17.2 | 2(a)). | | |
| * Certified copies not received: | | | |
| Acknowledgment is made of a claim for domestic pr reference was included in the first sentence of the s | pecification or in an Application Da | ta Sheet 37 CFR 1 78. | e a specific |
| (a) The translation of the foreign language provide | | | |
| Acknowledgment is made of a claim for domestic pr in the first sentence of the specification or in an App | fority under 35 U.S.C. §§ 120 and/o dication Data Sheet, 37 CFR 1.78 | or 121 since a specific referen | ice was included |

6 5

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the path or declaration is deficient

8. CORRECTED DRAWINGS (as "replacement sheets") must be submitted (e) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

1) hereto or 2) to Paper No. _____

(b) Including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner. (c) Including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No.

Identifying indicis such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of

each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d). 9. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL

Attachment(s)

All c here NOT of the 1. D 2. 5 3.5 4. F

5. F

- 1 Notice of References Cited (PTO-892)
- 2 Notice of Draftperson's Patent Drawing Review (PTO-948) 3 Information Disclosure Statements (PTO-1449 or PTO/SB/08).
- Paper No. 4☐ Examiner's Comment Regarding Requirement for Deposit
- 5 Notice of Informal Patent Application (PTO-152)
- 6 Interview Summery (PTO-413), Paper No. 7 Examiner's Amendment/Common
- 8 Examiner's Statement of Reasons for Allowance g□ Other

Naj Co 1/21/04

of Biological Material

Application/Control Number: 10/033,575

Art Unit: 1700

CLMPTO

01/22/04

W.M.

Claims 1-22 (canceled)

23. (Previously presented) An operative combination for use in measuring bioanalyte

- in a sample; the combination comprising:

 (a) a sensor strip; the sensor strip comprising:
 - (i) a substrate having a first end, a second end opposite the first end, a first side edge extending between the first end and second end, and a second side edge, opposite the first side edge and extending between the first end and second end:
 - the substrate first end sized for insertion into an electrical connector;
 - a sample chamber positioned between the first and second cods;
 - (iii) at least three electrodes on the substrate and in operative contact with the sample churcher, each of the electrodes including a separate electrode trace extending from the sample chumber and along a length of the satisfaction and
 - (iv) an insertion menitor stripe on the substrate;
 - (b) an electrical connector in electrical communication with a meter, the electrical connector having a sersor strip receiving area sized for operative receipt of the first end of the substrate; the electrical connector further comprising:
 - (i) a first consist structure comprising at least three consists leads, one each of which is positioned to engage one cach of three of the at least three electrode traces of the rement strp when the substrate is operatively positioned with the first end positioned in the sensor strip receiving uses of the electrical connector;
 - a second contact structure comprising at least a first insertion lead and a second insertion lead, each of the first and second insertion leads being

positioned to operatively engage the insertion monitor stripe when the first

- cad is operatively positioned in the sensor strip receiving area; (A) the first insertion lead being positioned with a portion thereof extending excess the first side ofge of the sensor strip substrate to engage the insertion monitor stripe when the first end is operatively positioned in the sensor strip receiving area of the electrical connector; sad,
- (8) the second insertion lead being positioned with a portion thereof extending across the second side edge of the sensor strip substrate to engage the insertion monitor attipe when the first end is operatively positioned in the sensor strip receiving area of the electrical connector;
- the sensor strip being removably mounted to the electrical connector with the substrate first end received in the sensor strip receiving area.
- (Previously presented)
 An operative combination according to claim 23 wherein:
 (a) the insertion monitor stripe extends across the substrate from the first side edge to the second side edge.
- (Previously presented) An operative combination according to claim 23 wherein:
 (a) the substrate has a first end edge adjacent the first end; and
 - (b) each one of the at least three electrode traces terminates at the first end edge of the substrate first end.
- 26. (Previously presented) A kit for use in measuring biognalyte in a sample; the kit comprising:
 - (a) a sensor strip; the sensor strip comprising:
 - a substrate having a first end, a second end opposite the first end, a first side edge extending between the first end and second end, and a second

side edge, opposite the first side edge and extending between the first end and second end:

- (A) the substrate first end sized for insertion into an electrical
- (ii) a sample chamber positioned between the first and second ends;
- at least three electrodes on the substrate and in operative contact with the sample classifier, each of the electrodes including a separate electrode
- trace extending from the sample chamber of the substrate; and (iv) an insertion munitor stripe on the substrate;
- an electrical connector having a sensor strip receiving area sized for operative receipt therein of the first end of the sensor strip substrate; the electrical connector further comprising:
 - (i) a first contact structure comprising at least time contact leads, one each of which is positioned to engage one rach of fitnes of the at least time electrody traces of the senses strip when the substitute is operatively positioned with the first end positioned in the sensor strip receiving area of the electrical connector:
 - (ii) second contact structure comprising at least a first insertion lead and a second insertion lead, each of the first and second insertion leads being positioned to operatively engage the insertion monitor atripe when the sensor strip first end is operatively positioned in the sensor strip receiving
 - (A) the first insertion lead being positioned with a portion thereof extending across the first side edge of the sensor strip substrate to eagage the insertion monitor strips when the first end is operatively positioned in the sensor strip receiving area of the electrical connector; and
- (B) the second insertion lead being positioned with a portion thereof extending across the second side edge of the sensor strip substrate to engage the insertion monitor stripe when the first end is

operatively positioned in the sensor strip receiving area of the electrical connector.

- 27. (Previously presented) A kit according to claim 26 wherein:
 - (a) the insertion monitor surpre extends from the first side edge of the substrate to the second side edge of the substrate.
- 28. (Previously presented) A kit according to claim 27 wherein:
 - the sensor strip substrate has a first end edge adjacent the first end, the first end edge extending between the first side edge and the second side edge;
 - (b) each one of the at least three contact Insido of the first contact structure is positioned to extend across the first end edge of the samor ratin publishate to engage one of the at least three electrode inscers when the sensor ratin psubstrate first end is operatively positioned in the sensor strip receiving area of the electrical connector.
- (Previously presented) A leit according to claim 27 wherein:
 (a) the sample chamber includes a measurement zone having a volume of no more than I ul.
- (Previously presented) A kit according to claim 29 wherein:
 (a) the sensor strip is a side-filling songer strip.
 - (Previously presented)
 A kit according to claim 27 wherein:
 (a) the sensor strip is a tip-filling sensor strip.
- (Previously presented) A kit according to claim 27 wherein:
- at least one of the at feast three electrodes of the sensor strip is a working electrode covered by a redox mediator.

- (Previously presented) A kit according to claim 32 wherein:
 - the redox mediator comprises a transition metal complex of ostmium.
- 64 (Previously presented) A kit according to claim 33 wherein:
 - (a) a first one of the at least three electrodes of the sensor strip is positioned opposite to, and facing, a second one of the at least three electrodes of the sensor strip, with the sample chamber positioned therebetween.
- 35. (Previously presented) A kit according to claim 34 wherein:
 - the first one of the at least three electrodes is separated from the second one of the at least three electrodes by no more than 50 µm.
- 36. (Previously presented) A kit according to claim 27 wherein:

 (a) the at least three electrodes of the terror thin to a political
 - (a) the at least three electrodes of the sensor strip are positioned coplanor with one another.
 - (Previously presented) A kit according to claim 27 wherein:

electrode; and

- (a) the sensor strip comprises first and second, non-conducting, base substrates;
- the sample chamber and the at least three electrodes are positioned between the first and second base substrates;
 - one of the at least three electrodes being a reference electrode positioned on one of the first and second, non-conducting, substrates;
 - (A) the reference electrode comprising a conductive carbon electrode;
 - (ii) a second one of the at least three electrodes is a first working electrode
 - positioned on one of the first and second non-conducting substrates;

 (A) the first working electrode comprising a conductive carbon
 - a third one of the at least three electrodes is a second working electrode positioned on one of the first and second non-conducting substrates;

- (A) said second working electrode comprising a conductive carbon electrode
- 38. (Previously presented) A kit according to claim 37 wherein:
 - the electrical connector further comprises a portion of a system that includes a sensor moter having;
 - a component to selectively provide at least one of potential and current to the first contact structure;
 - a processor to selectively determine analyte concentration from sensor signals received via the electrical connector; and.
 - (iii) a display to selectively show results determined from the sensor signals.
- 39. (Previously presented) A kit according to claim 37 wherein:
 - the insertion monitor stripe is positioned on an opposite side of one of the nonconducting base substrates from the sample chamber.
- (Currently amended) A method of measuring bloamalyte in a sample; said method including a step-of comprising:
 - (a) measuring a biographyte concentration in a sample, which includes inserting a first end of a sensor strip into a sensor strip receiving area of a electrical connector; the step of inserting including;
 - contacting one each of at least three contact leads in the electrical connector with separate ones of at least three electrode traces on the sensor strip; and
 - connecting first and second insertion leads of the electrical connector with an insertion monitor stripe on the sensor strip;
 - (A) the step of inserting including positioning the sensor strip so that the first insertion lead extends across a first side edge of the sensor strip to engage the insertion monitor stripe; and

. . . •

- (B) the step of interting including positioning the senter strip so that the second insertion lead extends across a second side odge of the sensor strip to engage the insertion monitor strip, the second side odge being an odge opposite the lifest side odge.
- 41. (Previously presented) A method according to claim 40 wherein:
 - the step of inserting includes positioning the source strip so that each one of these
 contact leads in the electrical connector extends across a first end edge of the
 sensor strip, to engage a respective electrode trace;
 - the first end edge extending between the first and second side edges.
- 42. (Proviously presented) A method according to claim 48 wherein:
 - (a) the step of inserting includes inserting a first end of a sensor strip which includes, in a portion of the sensor strip other than the first end, a sample chamber including blood therein.